

GENETIC ENGINEERING OF PLANT CHLOROPLASTS

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ABSTRACT OF THE DISCLOSURE

Novel chimeric constructions and methods for their
use are provided for expression of exogenous genes in a
10 plant chloroplast. Particularly, expression is achieved
by the use of a chloroplast or bacterial 5'
untranslated region in the expression cassette. The
expression cassette may be integrated into the
chloroplast genome by the use of chloroplast DNA
15 flanking sequences, or may replicate autonomously if
provided with a chloroplast origin of replication.
Plants and cells containing the transformed chloroplasts
are also provided. The constructs may be used with both
monocotyledenous and dicotyledenous chloroplasts.